

WE CLAIM:

1. A computer program product for controlling a target data processing device to update a current version of a file stored on a target data processing device, said
5 computer program product comprising:

link forming logic operable to form a wireless communication link with an in-range data processing device storing a more up-to-date version of said file;

portion determining logic operable to determine if a portion of said more up-to-date version of said file is already stored within said target data processing device
10 within a store of portions of one or more different more up-to-date versions of said file;

downloading logic operable to download said more up-to-date version of said file from said in-range data processing device following on from any portion of said more up-to-date version of said file already stored within said store; and

15 when a full copy of said more up-to-date version of said file is stored on said target data processing device, version replacing logic operable to replace said current version of said file with said more up-to-date version of said file to form a new current version of said file and to discard from said store any portions of less up-to-date versions of said file than said new current version of said file.

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2. A computer program product as claimed in claim 1, wherein said file is one of:
(i) an anti-computer virus definition data file; and
(ii) a computer anti-virus scanning engine file.

- 25 3. A computer program product as claimed in claim 1, wherein if said in-range data processing device is storing a portion of said more up-to-date version of said file, then said downloading logic is operable to download said portion of more up-to-date version of said file to said target data processing device.

- 30 4. A computer program product as claimed in claim 1, wherein if said in-range data processing device is storing more than one more up-to-date version of said file, then said downloading logic is operable to download first that more up-to-date version

of said file for which it will take least time to complete a full copy upon said target data processing device.

5 5. A computer program product as claimed on claim 1, comprising discard selection logic operable to select portions of a more up-to-date version of said file from said store are selected for discarding from said store based upon one or more of:

(i) age; and

(ii) amount of data needing to be downloaded to complete said version of said file.

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6. A computer program product as claimed in claim 1, comprising authentication logic operable to authenticate a download from an in-range data processing device using a digital signature.

15 7. A computer program product as claimed in claim 1, wherein said in-range data processing device transmits to said target data processing device information regarding a currently progressing downloading of a version of said file to said in-range data processing device such that said target device may select said version of said file currently being downloaded to said in-range data processing device for downloading to
20 said target data processing device.

8. A computer program product as claimed in claim 1, wherein said in-range data processing device also downloads a file from said target data processing device.

25 9. A method of updating a current version of a file stored on a target data processing device, said method comprising:

forming a wireless communication link with an in-range data processing device storing a more up-to-date version of said file;

30 determining if a portion of said more up-to-date version of said file is already stored within said target data processing device within a store of portions of one or more different more up-to-date versions of said file;

downloading said more up-to-date version of said file from said in-range data processing device following on from any portion of said more up-to-date version of said file already stored within said store; and

when a full copy of said more up-to-date version of said file is stored on said
5 target data processing device, replacing said current version of said file with said more up-to-date version of said file to form a new current version of said file and discarding from said store any portions of less up-to-date versions of said file than said new current version of said file.

10 10. A method as claimed in claim 9, wherein said file is one of:

- (i) an anti-computer virus definition data file; and
- (ii) a computer anti-virus scanning engine file.

11. A method as claimed in claim 9, wherein if said in-range data processing
15 device is storing a portion of said more up-to-date version of said file, then said portion of more up-to-date version of said file is downloaded to said target data processing device.

12. A method as claimed in claim 9, wherein if said in-range data processing
20 device is storing more than one more up-to-date version of said file, then said target data processing device downloads first that more up-to-date version of said file for which it will take least time to complete a full copy upon said target data processing device.

25 13. A method as claimed on claim 9, wherein portions of a more up-to-date version of said file from said store are selected for discarding from said store based upon one or more of:

- (i) age; and
- (ii) amount of data needing to be downloaded to complete said version of said
30 file.

14. A method as claimed in claim 9, wherein a download from an in-range data processing device is authenticated using a digital signature.

15. A method as claimed in claim 9, wherein said in-range data processing device transmits to said target data processing device information regarding a currently progressing downloading of a version of said file to said in-range data processing device such that said target device may select said version of said file currently being downloaded to said in-range data processing device for downloading to said target data processing device.

16. A method as claimed in claim 9, wherein said in-range data processing device also downloads a file from said target data processing device.

17. Apparatus for updating a current version of a file stored on a target data processing device, said apparatus comprising:

a link former operable to form a wireless communication link with an in-range data processing device storing a more up-to-date version of said file;

a portion determination unit operable to determine if a portion of said more up-to-date version of said file is already stored within said target data processing device within a store of portions of one or more different more up-to-date versions of said file;

a download unit operable to download said more up-to-date version of said file from said in-range data processing device following on from any portion of said more up-to-date version of said file already stored within said store; and

when a full copy of said more up-to-date version of said file is stored on said target data processing device, a version replacing unit is operable to replace said current version of said file with said more up-to-date version of said file to form a new current version of said file and to discard from said store any portions of less up-to-date versions of said file than said new current version of said file.

18. Apparatus as claimed in claim 17, wherein said file is one of:

(i) an anti-computer virus definition data file; and

(ii) a computer anti-virus scanning engine file.

19. Apparatus as claimed in claim 17, wherein if said in-range data processing device is storing a portion of said more up-to-date version of said file, then said
5 downloading unit is operable to download said portion of more up-to-date version of said file to said target data processing device.

20. Apparatus as claimed in claim 17, wherein if said in-range data processing device is storing more than one more up-to-date version of said file, then said
10 downloading unit is operable to download first that more up-to-date version of said file for which it will take least time to complete a full copy upon said target data processing device.

21. Apparatus as claimed on claim 17, comprising a discard selector operable to
15 select portions of a more up-to-date version of said file from said store are selected for discarding from said store based upon one or more of:

(i) age; and

(ii) amount of data needing to be downloaded to complete said version of said
file.

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22. Apparatus as claimed in claim 17, comprising an authentication unit operable to authenticate a download from an in-range data processing device using a digital signature.

23. Apparatus as claimed in claim 17, wherein said in-range data processing device
25 transmits to said target data processing device information regarding a currently progressing downloading of a version of said file to said in-range data processing device such that said target device may select said version of said file currently being downloaded to said in-range data processing device for downloading to said target data
30 processing device.

24. Apparatus as claimed in claim 17, wherein said in-range data processing device also downloads a file from said target data processing device.